GOVERNMENT OF INDIA
PETROLEUM AND NATURAL GAS
LOK SABHA

UNSTARRED QUESTION NO:928
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EXPLORATION/ DRILLING /REFINING OF PETROLEUM AND NATURAL GAS
Rawat Prof. Rasa Singh

Will the Minister of PETROLEUM AND NATURAL GAS be pleased to state:

(a) the efforts made towards exploration, drilling and refining of petroleum and natural gas in the country during the last five years ;

(b) the expenditure incurred thereon and the results thereof;

(c) the percentage of total requirement of oil and gas of the country being fulfilled through the indigenous production and the quantum of oil and gas being imported along with countries from where this import is being made;

(d) the latest achievement made in consequence of the exploration of oil and natural gas and future expectation therefrom;

(e) the latest status of exploration, drilling of oil and gas carried out in Rajasthan; and

(f) the time by when commercial production is likely to be commenced therefrom?

Answer

MINISTER OF THE STATE IN THE MINISTRY OF PETROLEUM & NATURAL GAS (SHRI DINSHA PATEL)

(a) During last five years (2002-07), the total quantum of exploratory inputs expended by Oil and Natural Gas Corporation Limited (ONGC), in its operational areas include acquisition of 11,698 Ground Line Kilometre (GLK) of 2D seismic and 10,899 sq km of 3D seismic data in the onland and 47,985 Line Kilometre (LK) of 2D seismic and 82,091 sq km of 3D seismic data in the offshore areas. During the same period, ONGC also drilled 576 exploratory wells, of which 439 were in the onland and 137 in the offshore areas.

During last five years, Oil India Limited (OIL) has carried out 7574.51 GLK of 2D seismic surveys and 3404.25 sq km of 3D seismic surveys. Exploratory drilling by OIL during the said period was 2,19,227 metres and development drilling amounted to 4,12,914 metres.

As far as private companies are concerned, total seismic survey of 111174 LK of 2D seismic and 98400 sq km of 3D seismic was carried out. Total 305 Exploratory wells were drilled by Private Companies.

Regarding Installed capacity of refineries in the country, it was 118.37 MMT (Million Metric Tonne) in the year 2002-03, which has increased to 148.97 MMT in the year 2006-07.

(b) Total expenditure made by the ONGC during the last five years on exploration activities is Rs 17428.55 crore and Rs 9823.68 crore were expended on development drilling. The expenditure incurred by OIL on survey, exploratory and development drilling efforts in the last five years was Rs 2446.42 crore. The Exploratory expenditure incurred by private companies in the last five years was US$ 3272.5 (Million).

(c) Import dependence on crude oil and petroleum products is about 70% in the country. The list of countries from where crude was imported in the last year 2006-07 is annexed.

(d) During last five years (2002-07), ONGC has accreted 676.76 MMt of inplace reserves in its onland and offshore operational areas. The accretion to oil and gas in-place reserves made by OIL during last five years was 105.74 MMT. Private and Joint Venture companies have accreted 909.43 MMT of in place oil and oil equivalent gas.

The exploration for hydrocarbons is a continuous process and is probabilistic rather than deterministic in nature. Full potential of any area can be known only after a discovery is made.

(e) & (f) ONGC is presently operating in Jaisalmer district of Rajasthan in two PELs i.e. Miajlar East and South Kharatar. It has carried out 20570.43 GLK of 2D Seismic survey, 432.11 sq km of 3D seismic survey and drilled 71 exploratory wells till 1.10.2007. As on date, it has made seven gas discoveries, namely, Manhera Tibba, Ghotaru, Khartar, Chinnewala Tibba, Bankia, Bakhri Tibba and Sadewala. The total quantum of gas established by ONGC in the Jaisalmer basin is 3.35 BCM with ultimate component of 1.76 BCM as on 01.04.2007.

Commercial production of natural gas by OIL in Rajasthan had commenced in the year 1996. It is currently supplying 295 Million

Standard Cubic Metre gas to Rajasthan Rajya Vidyut Utpadan Nigam Limited for power generation.

M/s Cairn India Ltd. has also declared a number of oil discoveries in block RJ-ON-90/1 falling in Barmer Sanchor Basin in Rajasthan state. Commerciality in respect of six of these discoveries namely, Mangala, Saraswati, Rageshwari, Aishwarya, Bhagyam and Shakti have been declared by the operator. The six oil discoveries together account for 46.8 MMt of ultimate reserves of oil. ONGC is a licensee in this block and has 30% Participating Interest in development areas covering above mentioned discoveries.

The commercial production in Block RJ-ON-90/1 is likely to commence in 2009.